Time Line of Tobacco Events

Science	Products	Policies or Regulation
	1700s Cigarettes are first made from scraps of cigars	
• Dr. John Hill reports in Cautions Against the Immoderate Use of Snuff on two case histories and observed that ('snuff is able to produce swellings and excrescences') in the nose, and he believed these to be cancerous		
1807 • Cerioli isolates the "essential oil" or "essence of tobacco"		
Posselt and Reimann isolates nicotine from tobacco		
Melsens describes nicotine's chemical empirical formula		
	Cigarette popularity grows between 1854 and 1856 during the Crimean War	•

 James Bonsack of Virginia patents the first cigarette-making machine.

1893

 Pictet and Crepieux synthesize nicotine

1900

 Brosch appears to be the first investigator involved in experimental tobacco carcinogenesis. He applies tobacco ('juices') to guinea pigs, observing epithelial proliferation

1913

 Camel brand is produced by R.J.Reynolds in 1913

1928

 Lombard and Doerring find an association between heavy smoking and buccal cancer

1938

 Pearl, a statistician and biometrician at Johns Hopkins, publishes the first statistical analysis comparing the health of smokers and nonsmokers and finds that individuals who smoked could expect shorter lives

1950

 Epidemiological studies report that

1950

· Filters introduced

lung cancer is particularly prevalent among cigarette smokers

1954

 Doll and Hill publish The Mortality of Doctors and Their Smoking Habits, in the BMJ.

1954

- Winston by RJR features a filter (cellulose acetate) and reconstituted sheet tobacco
 - Tobacco Industry
 Research Committee
 is formed

1956

 RJR introduces Salem as its first filtertipped menthol cigarette

Early 1960s

 More porous cigarette paper is introduced

1954

 Industry faces first liability lawsuit by lung cancer victim claiming negligence and breach of warranty. Suit isdropped 13 years later

1960

 Ban on advertising tar and nicotine levels as less harmful 1960–1966

1962

 Royal College of Physicians reports that lung cancer is prevalent among smokers in Smoking and Health

1964

 Surgeon General's Report concludes that smoking causes cancer and other serious diseases

1964

 Public Health Service establishes the National Clearinghouse for Smoking and Health (NCSH), later to become the Office on Smoking and Health

 The Cambridge Filter method is ultimately adopted by the Federal Trade Commission

1967

Surgeon General's report concludes that
 "Cigarette smoking is the most important of the causes of chronic non-neoplastic bronchiopulmonary diseases in the United States."
 The report also identifies measures of morbidity associated with smoking

Late 1960s

 Expanded or "puffed" tobacco appears in cigarettes.

1968

 National Cancer Institute begins work on a safer cigarette by establishing the Less Hazardous Cigarette Working Group

1965

- beling and Advertising
 Act is passed requiring
 warning labels on all
 cigarette packs but not
 on advertisements. The
 act also requires the secretary of health, education, and welfare to issue annual reports to
 congress on the health
 consequences of smoking
- Federal excise tax on smokeless tobacco products is repealed.

1969

 Surgeon General's report makes solid conclusions regarding the relationship between maternal smoking and infant low birthweight. It also defines evidence of increased incidence of prematurity, spontaneous abortion, still-birth, and neonatal death

 Use of chlorinated pesticides begins to be faded out

1971

 Surgeon General's report finds smoking associated with cancers of the oral cavity and esophagus

1972

Surgeon General's report studies immunological effects of tobacco and tobacco smoke, and identifies carbon monoxide, nicotine, and tar as smoke constituents the most likely to produce health hazards from smoking

1973

 Surgeon General's report presents evidence on the health effects of smoking pipes, cigars, and "little cigars"

1975

 Surgeon General's report issues further evidence regarding health effects from involuntary

Early 1970s

- Ventilated filter tips are used and modified to be longer with increased efficiency
- Introduction of puffed, expanded, and freezedried tobaccos

1971

Broadcast ads for cigarettes banned

1972

Officials declare that airlines must create nonsmoking sections

1975

 RJR introduces NOW with lower-tar and nicotine while preserving tobacco taste (passive) smoking, especially the relationship between parental smoking and rates of bronchitis and pneumonia in children's first year of life.

1977-1978

Surgeon General's report focuses on health effects of smoking on women, noting in particular the effects of oral contraceptives and smoking on the cardiovascular system

1979

- Surgeon General's report addresses the role of adult and youth education in preventing smoking habits. Report also reviews health effects of smokeless tobacco
- Bandury conference and report

1980

Surgeon General's report projects that lung cancer in women will surpass breast cancer as the leading cause of cancer mortality in women. Report also notes prevalence of smoking by adolescent females

1981

 Surgeon General's report examines the health consequences of lower-

1981

 Insurers offer discounts on life insurance premiums to nonsmokers tar and nicotine cigarettes. Concludes that lower-yield cigarettes decrease the risk of lung cancer, but have little effect on rates of cardiovascular disease. chronic obstructive pulmonary disease, and fetal damage. The report also reviews risks related to various additives and their combustion. The Surgeon General reinforces the fact that there is no safe cigarette

1982

• Surgeon General's report releases epidemiological evidence from a study of nonsmoking wives and their smoking husbands, finding that the risk of lung cancer in wives was not causal, but a possible serious public health problem. Report notes possible low-cost smoking cessation interventions

1983

Surgeon General's report evaluates health consequences of smoking for cardiovascular disease, declaring cigarette smoking as one of the three primary causes of coronary heart disease

Surgeon General's report examines health effects of smoking on chronic obstructive lung disease (COLD).
 Smoking accounts for 80-90% of COLD deaths in the United States

1985

Surgeon General's report focuses on smoking and hazardous substances in the workplace. Smoking alone is found to be a greater risk than the average workplace environment. Workplace exposure to asbestos and other such substances is found to compound health risks

1986

- Surgeon General's report states that "Involuntary smoking is a cause of disease, including lung cancer, in healthy nonsmokers" Report further notes the health of children of smokers and nonsmokers, as well as the exposure to smoke of passengers in smoking and nonsmoking sections of airplanes
- A special report of the advisory committee appointed by the Surgeon General examines the health effects of smokeless tobacco, con-

1984

 Nicotine-based chewing gum approved as an aid to quitting

- Warnings strengthened on cigarette packages and ads
- San Francisco requires business to accommodate nonsmokers

cluding that it too leads to nicotine addiction and can cause cancer 1987 Tobacco Institute Testing Laboratory (TITL) assumes cigarette testing responsibilities from the Federal Trade Commission Test Center using its approved methodology. 1988 1988 Surgeon General Government bans Koop's report states that smoking on short donicotine (cigarettes and mestic airline flights other forms of tobacco) are addicting **Late 1980s** 1989 RJR Premier is devel-Surgeon General's reoped and introduced to port reports that cigathe public rette smoking is a major cause of cerebrovascular disease (stroke). Report also addresses the future of nicotine addiction in light of new nicotine delivery systems test marketed in 1988 1990 1990 Surgeon General's re-Smoking banned on inport identifies The terstate buses and dohealth benefits of mestic airline flights of smoking cessation: 6 hours or less "Smoking cessation has major and immediate health benefits for men and women of all ages." Report examines life expectancy, smokingrelated diseases, and reproductive health issues

of smokers and former		
smokers	 Nicotine patches introduced 97.5% of cigarettes in the U.S. have filters in US 	1993 • Vermont bans smoking in all indoor public places
400.4		•
1994	1994	1994
Surgeon General's report looks at "preventing tobacco use among young people." Report examines and discusses age at first initiation, issues or problems encountered with youth cessation, tobacco as a "gate-way drug," effect of advertising, and school-based tobacco use prevention programs	April: Major U.S. cigarette companies release a list of 599 additives used in the manufacture of cigarettes	 April: Executives of seven largest U.S. to-bacco companies swear in congressional testimony that nicotine is not an addictive and deny manipulating nicotine levels in cigarettes. May: Amtrak bans smoking on short-and medium-distance trips May: Brown and Williamson documents provide evidence that to-bacco executives discovered smoking's risks before the surgeon general made declaration May: Mississippi files first of 24 state lawsuits seeking to recoup millions from tobacco companies for smokers' Medicaid bills
	1996	1996
	RJR Eclipse test mar- keted in United States,	March: Liggett Group settles claims with five

Germany, and Sweden.

state attorneys-general and promises to help them against other companies

1997

- April: Federal judges rules that government can regulate tobacco as a drug, but industry is allowed to continue advertising
- June: Landmark settlement, subject to congressional approval, calls for restrictions on cigarettes and on tobacco maker's liability in lawsuits. Industry is required to spend \$368 billion over 25 years, run antismoking campaigns, issue bold health warnings on packs, decrease advertising, and pay fines if youth smoking doesn't drop significantly
- July: Mississippi is first state to settle, agreeing to \$3.6 billion deal with tobacco companies
- August: Florida settles at \$11.3 billion

1998

Surgeon General's report examines tobacco use among U.S. racial—ethnic minority groups. African Americans, American Indians and Alaska Natives, Asian Americans and Pacific Islanders, and Hispan-

1998

 Phillip Morris Accord presented at a poster presentation at the Society of Toxicology in Seattle

- January: Texas settles with industry at \$15.3 billion over 25 years
- Tobacco executives testify before Congress that nicotine is addictive under current definitions of the word and smoking may cause cancer

ics. Concludes that cigarette smoking is one of the major health hazards among different racial and ethnic groups. Tobacco use and patterns of use vary among these groups as well

- May: Minnesota and Blue Cross/Blue Shield of Minnesota settle at \$6.6 billion with the tobacco industry
- Senate vetoes a proposal of \$1.50 tax increase per pack on cigarettes
- McCain Universal Tobacco Settlement Bill dies in congressional filibuster. Bill addressed tobacco product regulation of ingredients, sales, and advertising. It also addresse education and nicotine addiction prevention
- November: 46 states welcome a \$206 billion settlement with the tobacco industry over health care costs for treating sick smokers

1999

 Star Tobacco introduces new cigarettes with lownitrosamine tobacco and activated-charcoal filter, but isunable to make health claims

- September: Justice Department sues the to-bacco industry to recover billions of government dollars spent on smoking-related health care, accusing cigarette makers of a "coordinated campaign of fraud and deceit."
- December: Government and tobacco industry lawyers present oral argument to the Supreme Court over whether the Food and Drug Administration (FDA) can regulate tobacco as a drug and crack down on

- May: National Institute for Environmental Health Sciences publishes ninth report on Carcinogens including ETS as one of the known human carcinogens
- Surgeon General's Report, Reducing Tobacco Use published.

2000

- January: Phillip Morris introduces cigarettes with "safer" paper
- Star Tobacco—new cigarettes produced in Virginia and Kentucky with low-nitrosamine tobacco, but without health claims

cigarette sales to minors

- february: Tobacco
 farmers sue cigarette
 makers for \$69 billion,
 claiming they conspired
 to undo the federal system that regulates tobacco prices
- March: Supreme Court rules, 5-4, that FDA lacks authority to regulate tobacco as an addictive drug
- June: New York state imposes fire-safety standards on cigarettes

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